

Appl. No. 10/709,525  
Amdt. dated October 25, 2005  
Reply to Office action of August 09, 2005

**Amendments to the Claims:**

**Listing of Claims:**

1. (currently amended) A liquid crystal display (LCD) module, comprising:  
5 a housing comprising a plurality of openings formed in a lower  
surface of said housing;  
an LCD panel formed within said housing, said LCD panel  
comprising a display area, a peripheral circuit area formed on  
said LCD panel, and a plurality of driver integrated circuits  
formed in the peripheral circuit area of the LCD panel; and  
10 a flexible printed circuit board (FPCB) formed on the edge of the  
peripheral circuit area of the LCD panel, the FPCB having [[a]]  
an extending portion and a plurality of light emitting diodes  
(LEDs) formed below the lower surface of the extending  
portion;  
15 wherein the LEDs of the FPCB would be inset into corresponding  
openings of the housing when the extending portion of the  
FPCB crosses the edge of the LCD panel and being deflexed to  
the lower surface of the housing.
- 20 2. (original) The LCD module of claim 1 wherein the housing is a  
rectangular-platy reflect-frame.
3. (original) The LCD module of claim 1 wherein the LCD panel is a thin  
film transistor LCD (TFT-LCD) panel.  
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4. (original) The LCD module of claim 1 wherein the FPC board comprises  
a copper clad laminate or tape carrier package.

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5. (original) The LCD module of claim 1 wherein each of the LEDs is a backlight source of the LCD panel used to illuminate the LCD panel.
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6. (original) The LCD module of claim 1 wherein each driver integrated circuit comprises a gate driver integrated circuit or source driver integrated circuit.
- 10
7. (original) The LCD module of claim 1 further comprising a light-guide plate, a diffusion sheet, or an optical thin film formed between the LCD panel and the housing.
- 15
8. (currently amended) The LCD module of claim 1 further comprising a plurality of electrical components formed below the lower surface of the [[FPC]] FPCB.
- 20
9. (new) A liquid crystal display (LCD) module, comprising:  
a housing comprising a plurality of openings formed in a lower surface of said housing;  
an LCD panel comprising a display area and a peripheral circuit area;  
and  
a flexible printed circuit board (FPCB) connected to the edge of the peripheral circuit area, the FPCB having an extending portion and a plurality of light emitting diodes (LEDs) connected to the lower surface of the extending portion;  
25 wherein the extending portion of the FPCB crosses the edge of the housing and the LEDs inset into the corresponding openings of the

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housing.

10. (new) The LCD module of claim 9 further comprising a plurality of  
driver integrated circuits formed in the peripheral circuit area of the LCD  
5 panel.

11. (new) The LCD module of claim 9 wherein the flexible printed circuit  
board is connected to the edge of the peripheral circuit area by the lower  
surface of the extending portion.

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